

The following items regarding the remarkably severe snow-storms of the month will be found of interest: *Dakota*: Fort Bennett, 12th, snow-fall unprecedented; cattle suffering dreadfully; travel of all kinds almost impossible throughout month. Yankton, 7th, heavy blockade; business almost suspended; great suffering among people in interior towns for want of food and fuel; 25th, all roads again blockaded. *Illinois*: Morrison, month characterized by an unusual fall of snow and consequent heavy blockades. *Iowa*: Nora Springs, 4th to 7th, worst snow blockade experienced in this section for past 15 years. Logan, 5th, 6th, terrible snow-storm, worst in 20 years. Burlington, 12th, 18th, all roads blockaded; heaviest for many years. Keokuk, 12th, 14th, railroads blockaded; much damage to property. Dubuque, 7th to 13th, telegraph wires down in all directions; streets impassable; all travel ceased; the worst blockade for many years. *Kansas*: Creswell, 11th, snow blockade most severe for 10 years; travel of all kinds impossible. Wellington, 10th, 11th, heaviest snow-storm ever experienced. Dodge City, 11th, very severe "blizzard," stopping travel of all kinds; cattle suffering severely; 14th, trains blockaded; all travel ceased; thousands of starving and freezing cattle found along the railroad; large herd of antelopes forced into town in search of food. Leavenworth, 11th, heaviest snow-storm for many years; streets impassable. *Michigan*: Northport, 27th, 16 inches fell and drifted terribly; travel impossible; worst ever experienced. Marquette, 12th to 28th, heaviest storm for years; telegraph lines all down; blockade still continuing. *Minnesota*: New Ulm, 27th, heaviest snow blockade ever experienced; hundreds of families suffering for want of food and fuel; travel impossible. St. Paul, 1st, to 16th, one continuous and uninterrupted blockade; much damage and suffering; violent blizzards. *Nebraska*: North Platte, 14th, heaviest storm for years; cattle dying from cold and starvation. Omaha, 6th, most violent storm for many years; telegraph wires all down; trains blockaded; all travel ceased; much damage to buildings; 12th, all railroad travel blockaded by heavy drifts. *New York*: 3rd, railroads on Long Island blockaded; storm very violent. *Ohio*: Sandusky, 1st, trains blockaded and business entirely suspended for the day. *Wisconsin*: Embarrass, 27th, worst snow blockade ever experienced; no mail; no trains; no travel of any kind. La Crosse, 7th to 17th, all communication seriously obstructed; heaviest storm for many years; great suffering and much loss to property.

Snow on Ground at End of Month.—North of the 37th parallel the following depths in inches were reported in the various States and Territories: *Maine*, 3 to 18; *New Hampshire*, 8 to 24; *Vermont*, 1 to 20; *Massachusetts*, 3 to 18; *Connecticut* and *Rhode Island*, trace to 2; *New York*, trace to 22; *New Jersey*, trace to 28; *Pennsylvania*, 5 to 16; *West Virginia*, trace to 3; *Ohio*, $\frac{1}{4}$ to 25; *Indiana*, trace to 4; *Michigan*, lower peninsula, 3 to 48, upper peninsula, 12 to 36; *Illinois*, 1 to 18; *Wisconsin*, 16 to 38; *Missouri*, trace to 5; *Iowa*, $\frac{1}{4}$ to 26; *Minnesota*, 24 to 36; *Kansas*, drifts; *Nebraska*, trace to 12; *Dakota*, 3 to 33; *Colorado*, only 2 inches on summit of Pikes Peak, trace to 12 in lower surrounding country; *Montana*, 2 to 22; *Wyoming*, trace to 12; *California*, on mountain ranges.

RELATIVE HUMIDITY.

The percentage of mean relative humidity for the month ranges, as follows: New England, 65 to 78; Middle States, 66 to 84; South Atlantic States, 58 to 81; Eastern Gulf States 51 to 75; Western Gulf States, 62 to 79; Ohio Valley and Tennessee, 64 to 74; Lower Lake region, 72 to 79; Upper Lake region, 66 to 83; Upper Mississippi valley, 71 to 78; Missouri valley, 66 to 87; Valley of the Red River of the North, 75 to 91; Texas, 61 to 72; Middle Plateau, 43 to 74; Southern Plateau, 30 to 47; California, 62 to 82; Oregon, 80 to 82. *High stations* report the following percentages not corrected for altitude: Mt. Washington, 78.9; Pike's Peak, 62.3; Denver, 56.0; Cheyenne, 50.4; Eagle Rock, 78.5; Santa Fe, 56.8.

WINDS.

The prevailing winds during the month of February, 1881, at Signal Service Stations, are shown on chart No. II, by arrows which fly with the wind. Along the Atlantic coast, from Maine to North Carolina, in the interior of the Middle Atlantic States, throughout the Upper Mississippi and Missouri valleys and in the Middle Eastern Rocky Mountain slope they were *northwesterly*. In the South Atlantic and Gulf States and in the interior of Texas and New Mexico, *north to east*. In the Lake region, Tennessee and the Ohio valley, *south to east*. In the Pacific coast and Plateau regions, *southeast to southwest*.

Total Movements of the Air.—The following are the largest total movements at Signal Service stations: Mt. Washington, 27,190 miles; Pike's Peak, 18,109; Cape May, 13,118; Portsmouth, N. C., 13,041; Kittyhawk, 12,464; Cape Hatteras, 12,158; Delaware Breakwater, 12,046; New Shoreham, 11,056; Chincoteague, Va., 10,963; Thatcher's Island, 10,782; Cape Henry, 10,459; Wood's Holl, 9,981; Indianola, 9,912; Sandusky, 9,878; Barnegat, 9,784; Ft. Macon, N. C., 9,783; Milwaukee, 9,172; Champaign, Ill., 9,109; Cheyenne, 9,061. The *smallest* are: Roseburg, Or., 1,722 miles; Silver City, N. M., 1,980; Visalia, Cal., 2,011; Phoenix, Ariz., 2,066; Salt Lake City, 2,072; Memphis, 2,092; Florence, Ariz., 2,115; Ft. Missoula, Mont., 2,240; Deadwood, 2,348; La Mesilla, 2,400; Lewiston, Idaho, 2,493; Lynchburg, 2,588; Helena, 2,843; Laredo, Tex., 2,932; Uvalde, Tex., 3,017; Spokane, Wash. Ty., 3,254; Olympia, 3,261.